

【CLAIMS】**【Claim 1】**

<67> A fixture, having a screw shape, to be implanted in bone tissue, the fixture comprising an uppermost part protruding outside the bone tissue when implanted in the bone tissue and a body part placed in the bone tissue, the body part having a cortical bone coupling part installed in cortical bone and a cancellous bone coupling part installed in cancellous bone, wherein the cancellous bone coupling part comprises a large cancellous screw thread formed on a circumferential outer surface of the cancellous bone coupling part and a small cancellous screw thread formed on a ridge of the large cancellous screw thread, and the cortical bone coupling part comprises a small cortical screw thread having a pitch, a root diameter and an outer diameter almost equal to a pitch, a root diameter and an outer diameter of the small cancellous screw thread.

【Claim 2】

<68> A fixture, having a screw shape, to be implanted in bone tissue, the fixture comprising an uppermost part protruding outside the bone tissue when implanted in the bone tissue and a body part placed in the bone tissue, the body part comprising a cortical bone coupling part installed in cortical bone and a cancellous bone coupling part installed in cancellous bone, wherein the cancellous bone coupling part comprises a large cancellous screw thread formed on a circumferential outer surface of the cancellous bone coupling part and a small cancellous screw thread formed on a ridge of the large cancellous screw thread, and the cortical bone coupling part comprises a large cortical screw thread extending from the large cancellous screw thread and a small cortical screw thread formed on a ridge of the large cortical screw thread, wherein the number of small cortical screw threads is greater than the number of small cancellous screw threads.

【Claim 3】

<69> The fixture according to claim 2, wherein the large cortical screw thread has a lead equal to a lead of the large cancellous screw thread.

【Claim 4】

<70> The fixture according to claim 3, wherein a root diameter of the large cortical screw thread is increased from a lower end thereof to an upper end thereof and is equal to a root diameter of the small cortical screw thread at the upper end thereof.

【Claim 5】

<71> The fixture according to claim 4, wherein a root diameter of the large cancellous screw thread is constant throughout the cancellous bone coupling part.

【Claim 6】

<72> The fixture according to any one of claims 1 through 5, further comprising:

<73> a plurality of longitudinal grooves formed in a circumferential outer surface of the cortical bone coupling part.